Service Manual

BPC65-B-A16G

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1.

Before You Start

1. Please unplug the power cable before you start to work.

2. Please read and follow the instructions in this document carefully. Failure to follow these instructions could damage your device and void the warranty.

1.1. Tools Suggested

All procedures in this document require the following tools:

#1 Phillips screwdriver (magnetized suggested)

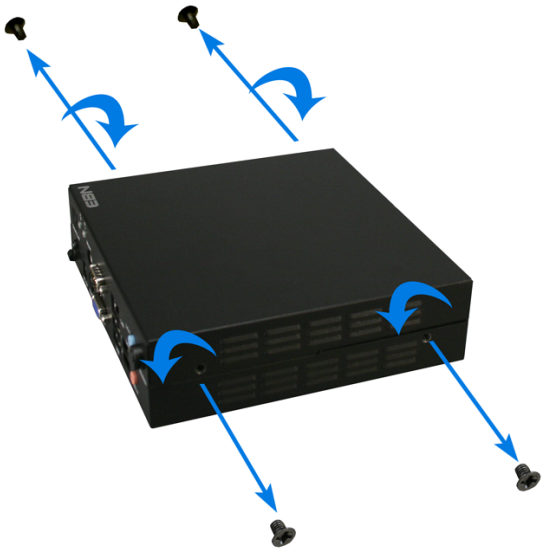
1.5 mm hexagon socket spanner (magnetized suggested)

2.

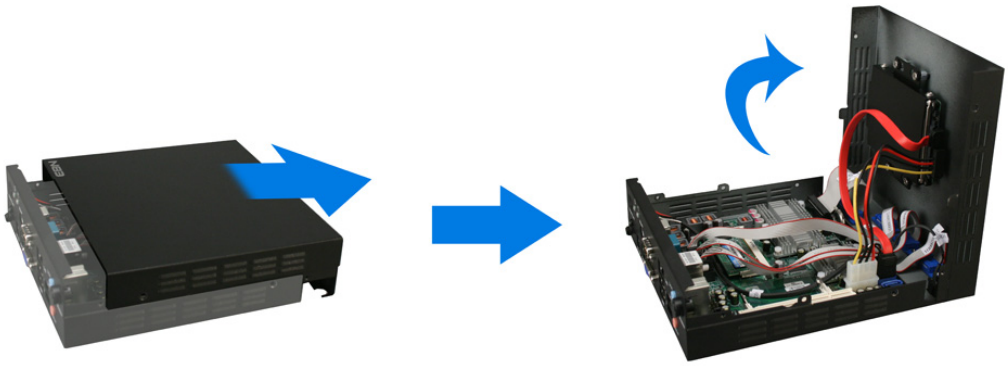
Opening the Device

2.1. Separate the upper cover

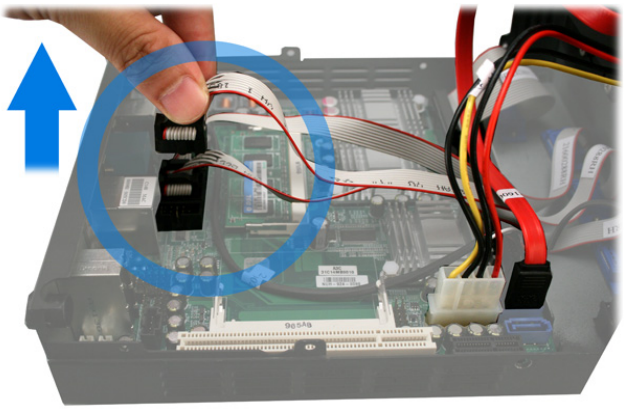
1. Loosen and remove the four screws fixing the case by #1 Phillips screwdriver.



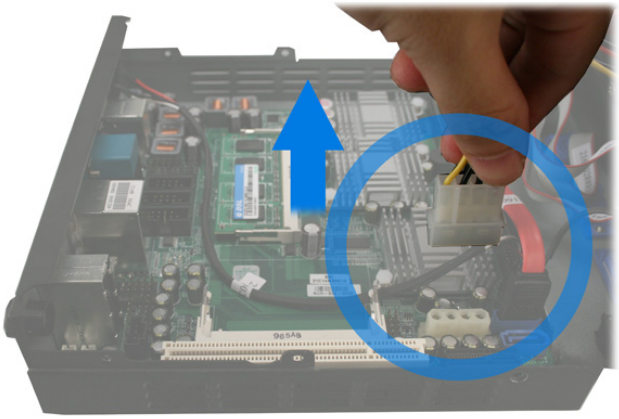
2. Push the upper cover backward easily and open the device as shown below.



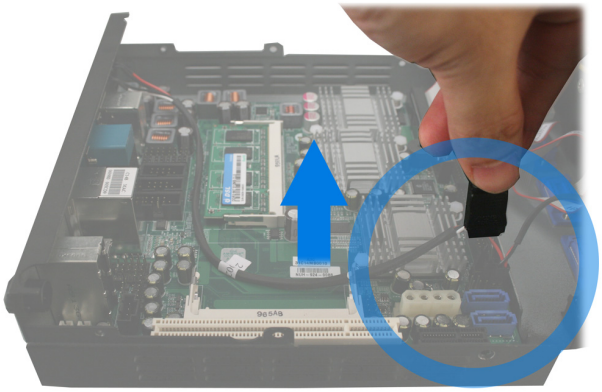
3. Unplug three COM port cables from the mainboard.



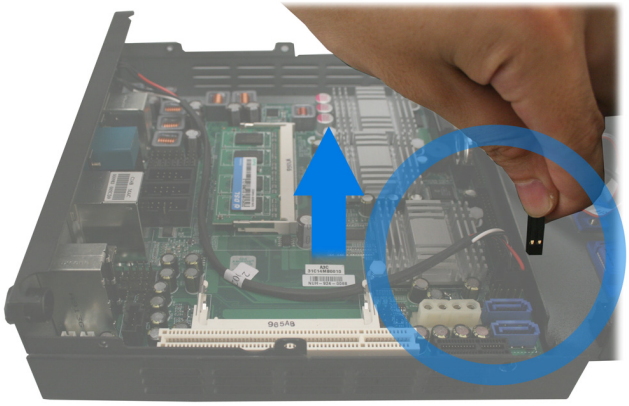
4. Unplug three HDD power cable from the mainboard.



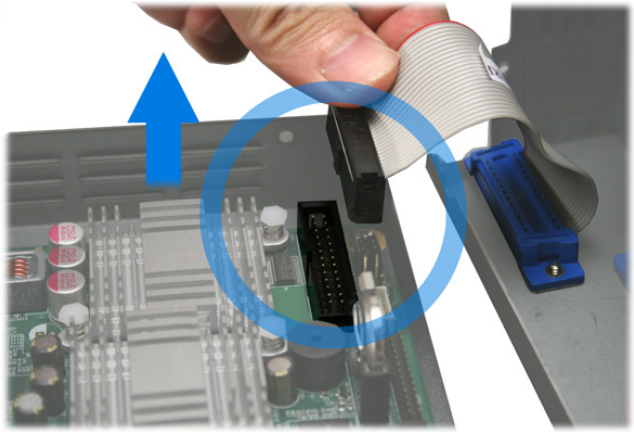
5. Unplug three SATA cable from the mainboard.



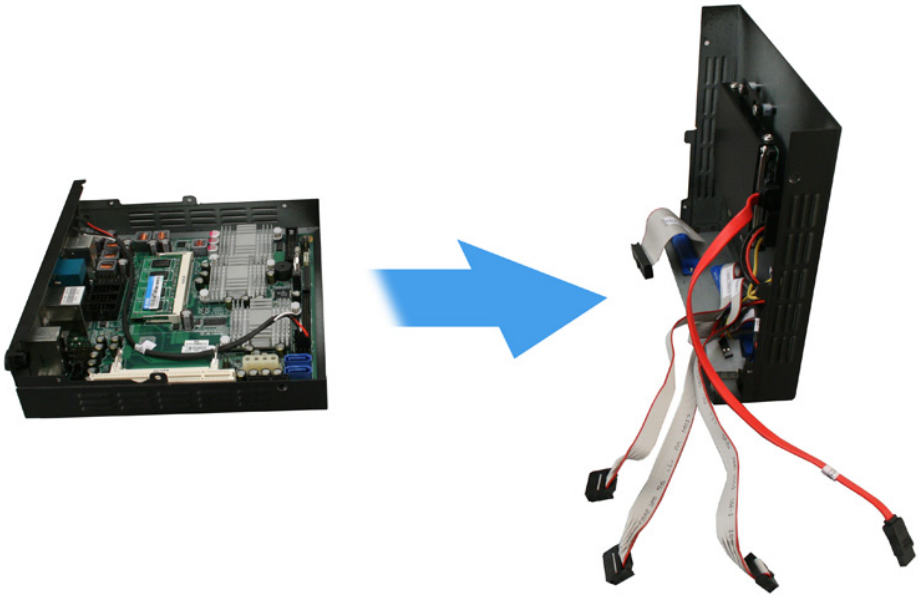
6. Unplug the power switch connector form the main board.



7. Unplug the parallel bus form the main board.



8. Separate the device.



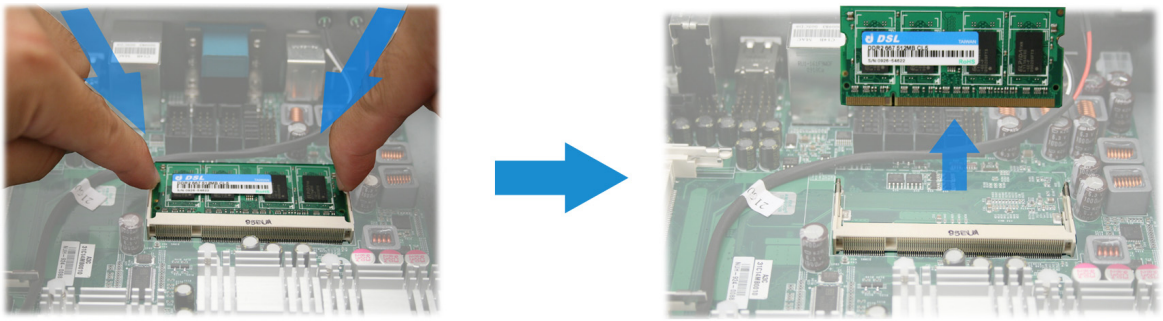
3.

Mainboard and Component Replacement

3.1. RAM Installation

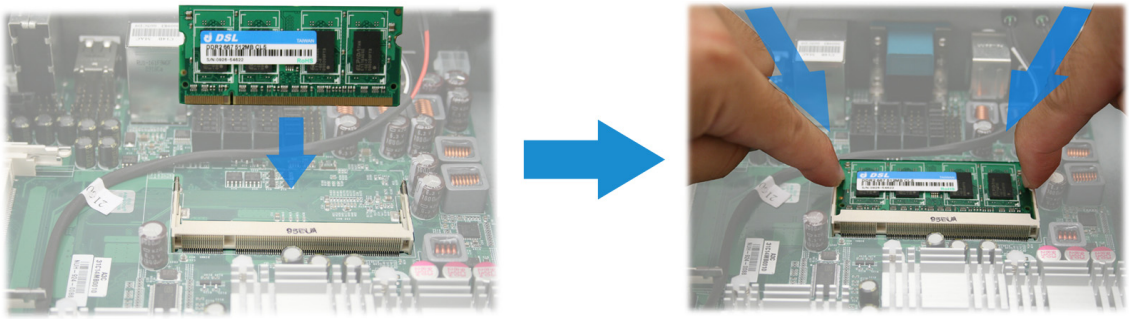
How to Uninstall the RAM

Open the two ejectors on the slot by pushing them, and remove the RAM from the slot.



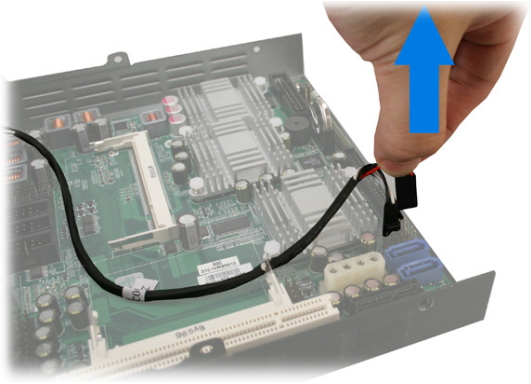
How to Install the RAM

Align and insert the new RAM in the slot and push both ends of the RAM down until the ejectors snap into place.



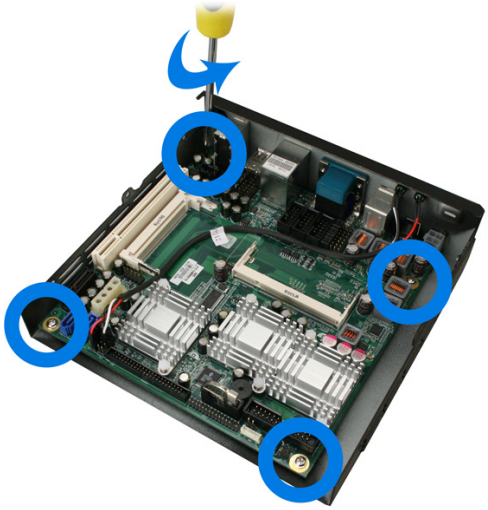
3.2. Main Board Installation

1. Unplug the two plugs of the power switch cable from the main board.

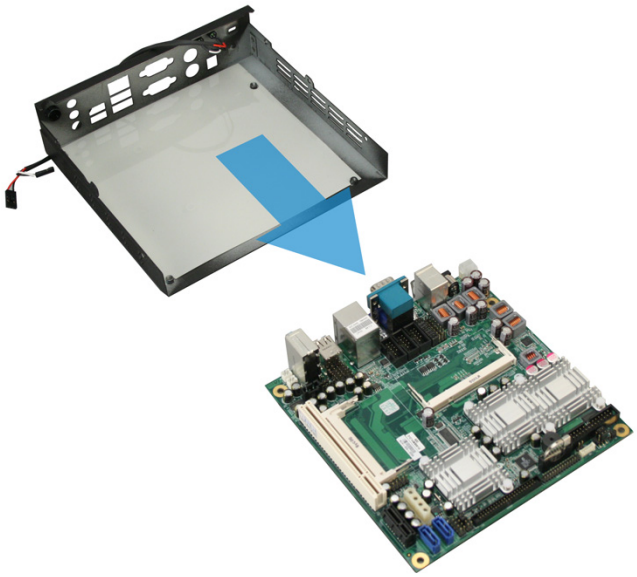


2. Loosen and remove the four hexagonal bolts by 1.5 mm hexagon socket spanner

3. Loosen and remove the four screws by #1 Phillips screwdriver as shown.



4. Remove the main board from the chassis.

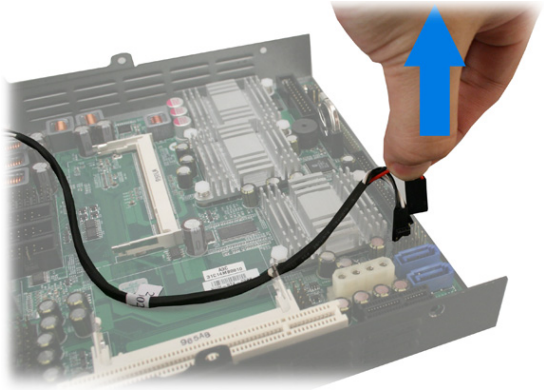


4.

Components Replacement

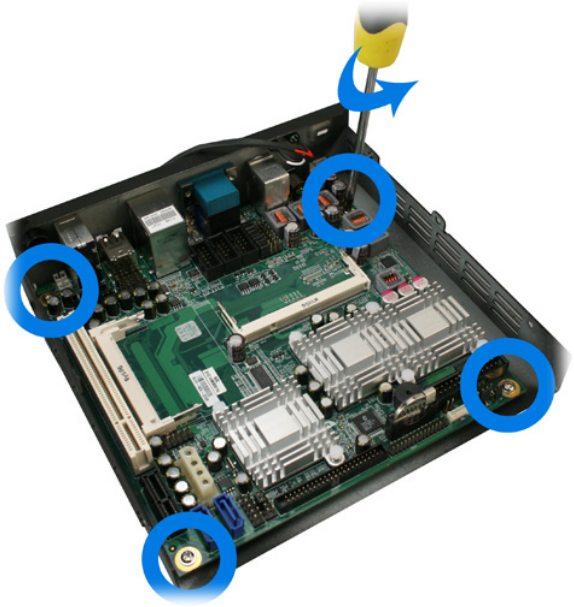
4.1. Components on the Lower Chassis

1. Unplug the LED indicator connector form the main board.

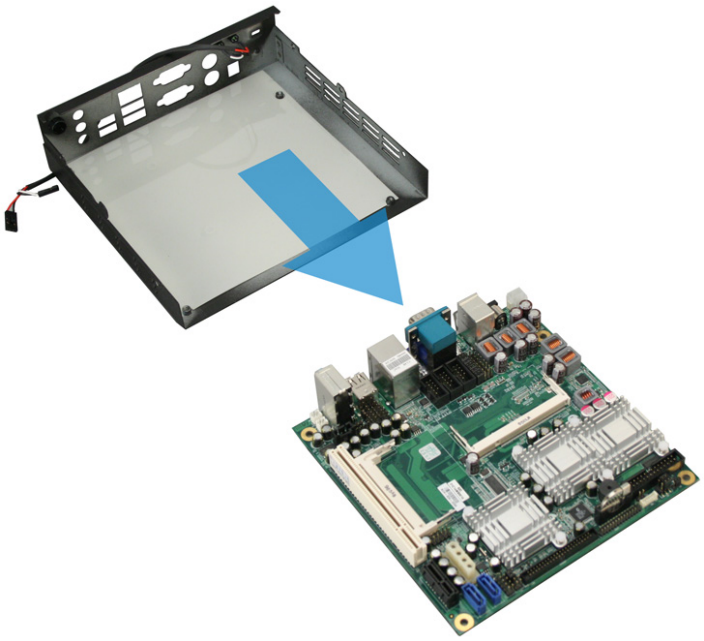


2. Loosen and remove the four hexagonal screws.

3. Loosen and remove the four screws fixing the main board by #1 Phillips screwdriver.

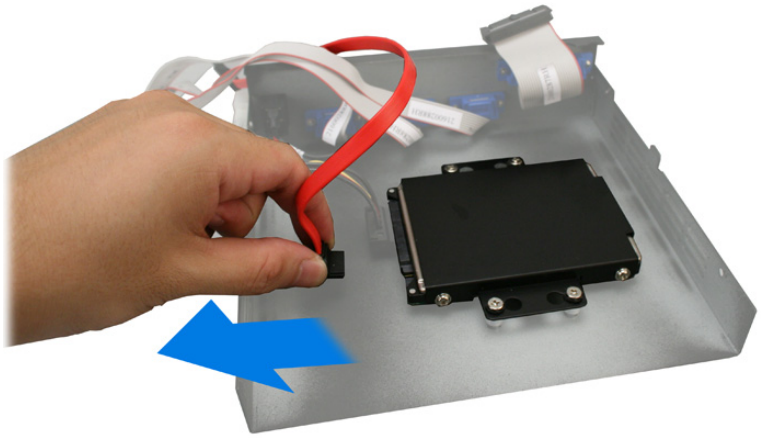


4. Draw out the assembly from the case.

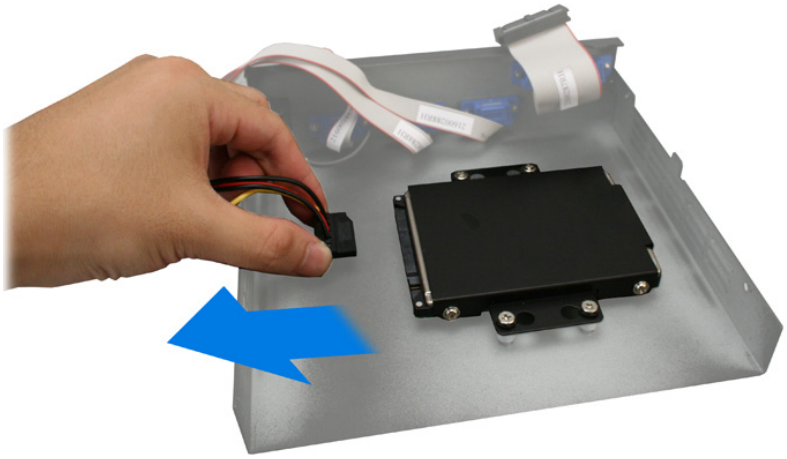


4.2. Components on the Upper Chassis

1. Unplug the red SATA cable.

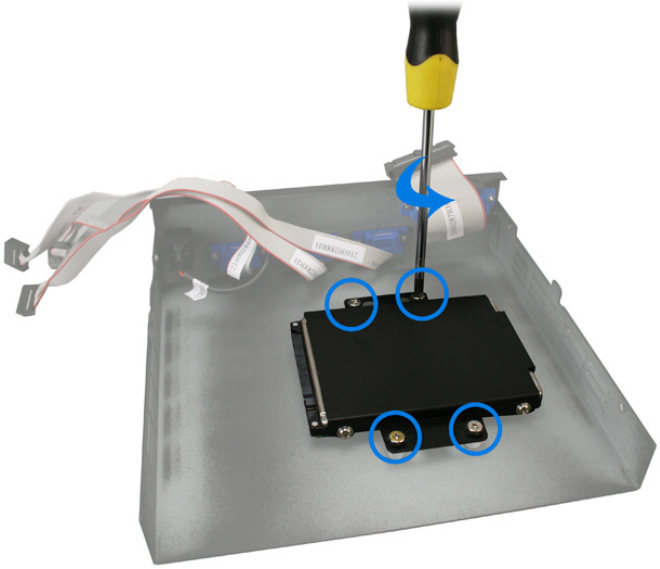


2. Unplug the SCSI cable.

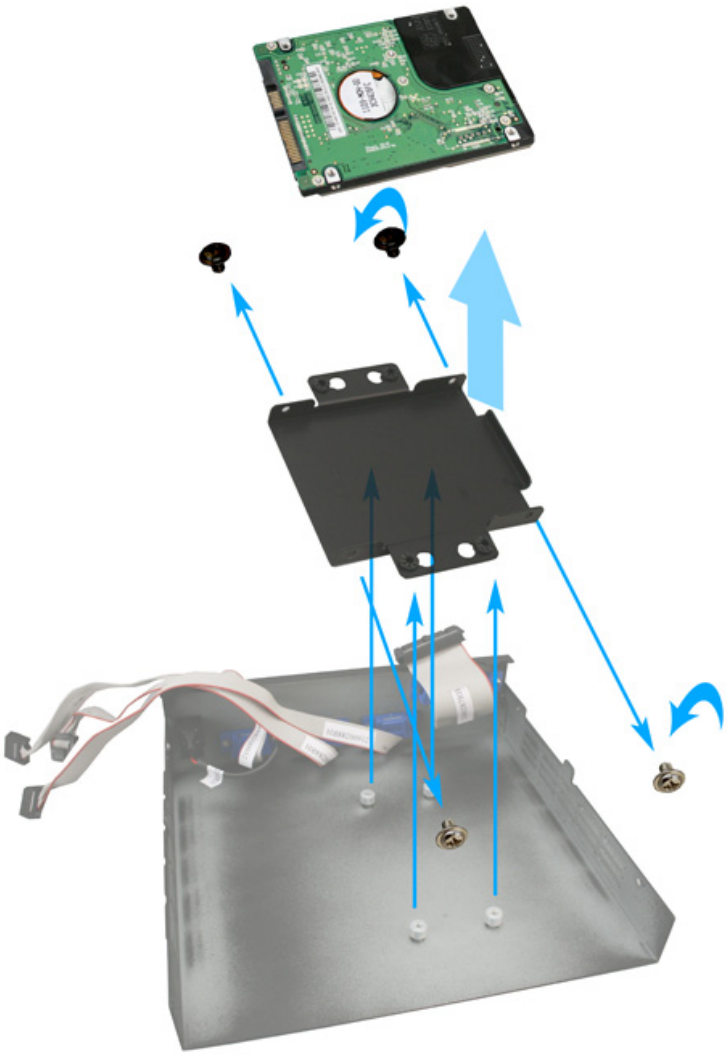


3. Loosen the four screws by #1 Phillips screwdriver as shown below and remove the

HDD from the device.



4. Loosen the four screws by #1 Phillips screwdriver and remove the HDD as shown below.



5. Loosen the 8 hexagonal screws, and then remove the parallel cable and 3 COM

cables.

6. Push out and remove the power switch by slot type screwdriver in the direction as shown below.